

velopment, the parents of this animal probably must have lived near Sunset Bay. The large size of this specimen is indication of its adaptability to the environment of Squaw Island and, quite assuredly, *H. rufescens* Swainson must be established as far north as Squaw Island, Oregon (43°20' North).

The author is indebted to Keith W. Cox at Stanford for his very kind help and suggestions and also to Dr. Robert L. Bacon at the University of Oregon Medical School, Mrs. Dorothy McKey-Fender at Linfield College, and Mrs. Dody Orendurff.

REFERENCES

- BONNOT, PAUL. 1948. Calif. Fish & Game, 34: 141-169.
CARLISLE, JOHN G., JR. 1945. Sci. (N.S.), 102: 511-567.
CROFTS, DORIS R. 1929. Liverpool Mar. Biol. Comm. Mem., 29: 1-174.
MCCAULEY, JAMES E. AND LOWELL D. MARRIAGE. 1955. Research Briefs (Fish Comm. Ore.), 6: 4-13.
OLDROYD, IDA S. 1927. The marine shells of the west coast of North America. Stanford Univ. Publ., Univ. Ser., Geol. Sci., II: pt. III.
PALMER, CLAYTON F. 1907. Proc. Acad. Nat. Sci. Phila., 59: 396-407.
PILSBRY, HENRY A. 1890. Manual of Conchology, Philadelphia, XI: 82-83.

EASTER ISLAND SHELLS

BY PAUL H. STEELE

The letters following the specific names indicate the sources of the records: D, Dall; O, Odhner; L, Lamy; and E, Padre Englert.

- Acanthopleura brevispinosa* Rve., L.
Smaragdinella viridis Rang., D. O. L. E.
Terebra inconstans Hinds, L. E.
Terebra venosa Hinds, L. E.
Conus miliaris Hwass, D. O. L. E.
Mitra (Strigatella) amphorella Lam., L.
Mitra, cf. *M. michelinii* Guerin, E.
Mitra (Cylindrica) nucea, D.
Columbella lutea Quoy, D.
Columbella margarita Rve., L. E.
Columbella (Seminella) striatula Dkr., L.

- Columbella (Mitrella) impolita* Sby., L. E.
Columbella cf. *C. diminuta* C. B. Adams, E.
Mitrella sp., E.
Trophon (Pascula) citricus Dall, D. L.
Sistrum morus Lam., E.
Sistrum ricinus L., E.
Sistrum, cf. *S. concatenata* Lam., E.
Purpura (Polytropa) scobina Q. & G., L.
Thais nesiotes Dall, D. E.
Colubraria decollata Sby., D.
Cassis vibex I., D.
Triton (Epidromus) cylindricus Pse., L.
Marginella sandwichensis Pse., O. E.
Pisania ignea L., O.
Trivia oryza Lam., var. *scabriuscula* Gray., E.
Cypraea caputdraconis Melv., D. O. L. E.
Strombus maculatus Nut., D. L. E.
Cerithium atromarginatum (Desh.) Vignal., L.
Triforis levukensis Watson, O. L. E.
Triforis, sp., D.
Cerithiopsis sp., E.
Vermetus sp., D. E.
Planaxis mollis Sby., D. O. L. E.
Tectarius nodulosus Gmel., D. O. L. E.
Torinia dorsuosa Hinds., L.
Rissoina turricula Pse., L. E.
Rissoa plicatula Gould., O.
Rissoa tridentata Michaud., O. E.
Hipponix antiquatus L., D. L. E.
Hipponix barbatus Sby., D. O. L. E.
Hipponix grayanus Menke, D. O. E.
Cheilea equestris Menke, D. E.
Polinices sebae Soul., D.
Natica, cf. *N. sagittifera* Recluz, E.
Janthina communis (fragilis) Lam., D. L. E.
Scala perplexa Pse., L. E.
Eulima cumingi A. Ad., D. L. E.
Nerita plicata L., L. E.
Nerita atrata Rve., L.
Nerita morio Sby., O. L. E.
Nassa, cf. *N. compta* A. Ad., E.
Euchelus foveolatus A. Ad., O.
Euchelus gemmatus Gould., L. E.
Gena varia A. Ad., O. E.
Glyphis exquisita Rve., L.
Glyphis foveolata Garrett, O. E.
Fissurella sp., D.
Siphonaria pica Sby., O. L. E.

- Puncturella* sp., E.
Emarginula sp., E.
Melampus philippii Küster, D. O. L. E.
Melampus pascus Odhner., O.
Septifer sp., E.
Pecten (Hinnites) pascus Dall., D. E.
Pecten patagonicus King., E.
Lucina divergens Phil., D. O. L. E.
Lima lima L., D.
Lima (Matellium) fragilis Chem., L.
Chama broderipi Rve., D. E.
Saxicava australis Lam., L.
Semele australis Sby., D.
Limax arborum B. Ch., O.
Milax gagates Drap., O.
Pacificella variabilis Odhner, O.
Bertella brocki Vayssiere, O.

BIBLIOGRAPHY

- DALL, WILLIAM H. 1908. Bul. Mus. Comp. Zool. Harvard College 43 : p. 437.
- ODHNER, NILS H.J. 1922. The Natural History of Juan Fernandez and Easter Island, Vol. 3, part 4, Zoology. Page 248. Uppsala.
- LAMY, EDOUARD. 1939. Journal de Conchyliologie, vol. 82, p. 131.
- STEELE, PAUL H. 1956. The Collector (5349 Robertson Ave., Carmichael, Calif.) vol. 2, number 3, October 1956.

MARINE SHELLS FROM ALTONA LAGOON, ST. CROIX, VIRGIN ISLANDS

BY G. W. NOWELL-USTICKE

Very little serious shell collecting would seem to have been done in the island of St. Croix, the largest of the Virgin Island group, situated at the hinge between the Greater and the Lesser Antilles. This island is somewhat off the more or less regular string of West Indian islands, and seems to have a great variety of shells, many of which have never been recorded from that vicinity.

Henry Krebs of Copenhagen, Denmark did publish in 1864 *The West Indian Marine Shells*, listing shells mainly from St. Thomas, but included some from St. Croix. Also a very complete list of bivalve mollusks was published by the N. Y. Acad-